

holds an appropriate, valid STCW certificate or endorsement issued in accordance with part 12 of this chapter.

(c) After January 31, 2002, on board a seagoing vessel driven by main propulsion machinery of 750 kW [1,000 hp] propulsion power or more, no person may employ or engage any person to serve, and no person may serve, in a rating forming part of a watch in a manned engine-room, nor may any person be designated to perform duties in a periodically unmanned engine-room, except for training or for the performance of duties of an unskilled nature, unless the person serving holds an appropriate, valid STCW certificate or endorsement issued in accordance with part 12 of this chapter.

(d) After January 31, 1997, no person may either be engaged or employed to serve on board a roll-on/roll-off (Ro-Ro) passenger ship to which a certificate signifying compliance with the International Convention for the Safety of Life at Sea, 1974, as amended (SOLAS), has been issued, or perform duties on board such a ship, unless he or she holds documentary evidence to show he or she meets the requirements of § 10.1005 or § 12.30-5 of this chapter, whichever is appropriate to the service or the duties.

(e) After January 31, 2002, on board a seagoing vessel required to comply with provisions of the Global Maritime Distress and Safety System (GMDSS) in Chapter IV of SOLAS, no person may employ or engage any person to serve, and no person may serve, as the master, chief mate, or officer of the navigational watch, unless the person serving holds the appropriate certificate for operator of radio in GMDSS.

(f) After January 31, 1999, on board a seagoing vessel required to comply with provisions of the GMDSS in Chapter IV of SOLAS, no person may employ or engage any person to serve, and no person may serve, as the person designated to perform at-sea maintenance of GMDSS installations, when such designation is used to meet the maintenance requirements of SOLAS Regulation IV/15, which allows for capability of at-sea electronic maintenance to ensure that radio equipment is available for radio communication, unless the person serving holds documentary evi-

dence that he or she is competent to maintain GMDSS equipment.

(g) After January 31, 2002, on board a seagoing vessel fitted with an Automatic Radar-Plotting Aid (ARPA), no person may employ or engage any person to serve, and no person may serve, as the master, chief mate, or officer of the navigational watch, unless the person serving has been trained in the use of ARPA in accordance with § 10.205 or § 10.209 of this chapter.

§ 15.1105 Familiarization and basic safety-training.

(a) After January 31, 1997, on board a seagoing vessel, no person may assign any person to perform shipboard duties, and no person may perform those duties, unless the person performing them has received—

(1) Training in personal survival techniques as set out in the standard of competence under STCW Regulation VI/1; or

(2) Sufficient familiarization training or instruction that he or she—

(i) Can communicate with other persons on board about elementary safety matters and understand informational symbols, signs, and alarm signals concerning safety;

(ii) Knows what to do if a person falls overboard; if fire or smoke is detected; or if the firm alarm or abandon-ship alarm sounds;

(iii) Can identify stations for muster and embarkation, and emergency-escape routes;

(iv) Can locate and don life-jackets;

(v) Can raise the alarm and knows the use of portable fire extinguishers;

(vi) Can take immediate action upon encountering an accident or other medical emergency before seeking further medical assistance on board; and

(vii) Can close and open the fire doors, weather-tight doors, and watertight doors fitted in the vessel other than those for hull openings.

(b) After January 31, 1997, on board a seagoing vessel, no person may assign a shipboard duty or responsibility to any person who is serving in a position that must be filled as part of the required crew complement, and no person may perform any such duty or responsibility, unless he or she is familiar with it

and with all vessel's arrangements, installations, equipment, procedures, and characteristics relevant to his or her routine or emergency duties or responsibilities, in accordance with STCW Regulation I/14.

(c) After January 31, 1997, on board a seagoing vessel, no person may assign a shipboard duty or responsibility to any person who is serving in a position that must be filled as part of the required crew complement or who is assigned a responsibility on the muster list, and no person may perform any such duty or responsibility, unless the person performing it can produce evidence of having—

(1) Received appropriate approved basic safety training or instruction as set out in the standards of competence under STCW Regulation VI/1, with respect to personal survival techniques, fire prevention and fire-fighting, elementary first aid, and personal safety and social responsibilities; and

(2) Achieved or, if training has been completed, maintained competence within the last 5 years, in accordance with STCW regulation VI/1.

(d) Subject to training requirements that may apply for issue or renewal of a license or document under part 10 or 12 of this chapter, a person who is serving on a seagoing vessel immediately before February 1, 1997, and has not received training or instruction in basic safety training, may continue to serve until February 1, 2002, without receiving such training or instruction, if he or she can produce evidence of having participated in well-organized drills and other structured exercises or in on-board safety-training programs during which his or her performance was evaluated and weaknesses were brought to his or her attention.

(e) Fish-processing vessels in compliance with the provisions of 46 CFR part 28 on instructions, drills, and safety orientation are deemed to be in compliance with the requirements of this section on familiarization and basic safety-training.

§ 15.1107 Maintenance of merchant mariners' records by owner or operator.

Each owner or operator of a U.S.-documented seagoing vessel shall ensure

that procedures are in place, in respect of each merchant mariner holding a license or merchant mariner's document and serving on any such vessel, to ensure that the following information is maintained throughout his or her service, and is readily accessible to those in management responsible for the safety of the vessel and for the prevention of marine pollution:

(a) Medical fitness (such as results of a recent evaluation by a medical professional certifying that the mariner is physically able to perform the tasks and duties normally associated with a particular shipboard position or does not have an apparent medical condition that disqualifies him or her from the requirements of a particular shipboard position).

(b) Experience and training relevant to assigned shipboard duties (i.e., record of training completed, and of relevant on-the-job experience acquired).

(c) Competency in assigned shipboard duties (evidenced by copies of current licenses, documents, or endorsements that the mariner holds, as well as by a record of the most recent basic safety assessment and by instances where ship-specific familiarization has been achieved and maintained).

§ 15.1109 Watches.

Each master of a vessel that operates beyond the Boundary Line shall ensure observance of the principles concerning watchkeeping set out in STCW Regulation VIII/2 and section A-VIII/2 of the STCW Code.

§ 15.1111 Work hours and rest periods.

(a) After January 31, 1997, each person assigned duty as officer in charge of a navigational or engineering watch, or duty as a rating forming part of a navigational or engineering watch, on board any vessel that operates beyond the Boundary Line shall receive a minimum of 10 hours of rest in any 24-hour period.

(b) The hours of rest required under paragraph (a) of this section may be divided into no more than two periods, of which one must be at least 6 hours in length.

(c) The requirements of paragraphs (a) and (b) of this section need not be